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Abstract

1. Drive train comprising an internal combustion engine and two electric drive units (hybrid drive)

2.1 In accordance with a known design, the drive torque of an internal combustion engine is superimposed on a drive torque of an electric drive unit by means of a planet set to which the drive torque of the internal combustion engine is fed via the sun gear. The torque of the electric drive unit is transferred for different shift positions of a clutch by driving different ring gears of the planet set. The invention is based on the object of proposing a drive train which is improved in terms of the operating ranges.

2.2 According to the invention, the electric drive unit (32) can be coupled directly to the input shaft (E) via a clutch (KE) or can be coupled to a sun gear (SE) of the pick off gear unit (TE) via a clutch (KG). This provides improved operating possibilities, here the mode in which the drive train is operated on the one hand as a conventional automatic transmission and on the other hand as an infinitely variable transmission with two driving ranges.

2.3 Drive train for a motor vehicle

(figure 7)